

A b s t r a c t

The invention relates to a peptide obtained from human blood, HF-COLL-18/514cf, the structure of which has been elucidated for the purpose of diagnostic, medicinal and industrial use as a medicament. The isolation of this novel peptide HF-COLL-18/514cf proves the existence of HF-COLL-18/514cf. The molecular shape of HF-COLL-18/514cf has been detected by mass spectrometry and amino-terminal sequencing; HF-COLL-18/514cf is a natural peptide which should be used for the treatment of numerous diseases associated with cell growth disorders, especially of endothelial cells and vessels, and in cancer, for example. Further, HF-COLL-18/514cf can be used in a pure form or as a natural raw extract for industrial purposes in the investigation of new cellular functions.